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(21) International Application Number: PCT/US00/02418 (22) International Filing Date: 28 January 2000 (28.01.00) (30) Priority Data: 60/117,966 29 January 1999 (29.01.99) US (71)(72) Applicants and Inventors: POUGATCHEV, Vadim I. [RU/US]; 12422 Peacock Hill Ave. NW, Gig Harbor, WA 98332 (US). BOGOMOLOV, Evgueni N. [RU/US]; 12422 Peacock Hill Ave. NW, Gig Harbor, WA 98332 (US). IAROSLAVSTEV, Igor V. [RU/US]; 12422 Peacock Hill Ave. NW, Gig Harbor, WA 98332 (US). ZHIRNOV, Eugene N. [RU/US]; 12422 Peacock Hill Ave. NW, Gig Harbor, WA 98332 (US). GRIBKOV, Eugene N. [RU/US]; 12422 Peacock Hill Ave. NW, Gig Harbor, WA 98332 (US). (74) Agent: JOHNSON, Larry, D.; Suite 130, 175 N. Redwood Drive, San Rafael, CA 94903 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>	
(54) Title: PERSONAL PHYSIOLOGICAL MONITOR			
(57) Abstract A personal physiological monitor for evaluating autonomic nervous system functioning, said monitor including PPG, and/or GSR, and/or temperature sensors for acquiring raw physiological signals; a data processor for computing interbeat intervals from the raw PPG signal and re-sampling interbeat interval sequences with a linear interpolation procedure; transmission means for transmitting both raw signals and the interbeat intervals to a computer through a communication port; a visual display; and built-in flash memory.			

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